

WHAT IS CLAIMED IS:

1. A rotary compressor having first and second rotary compressing elements driven by a rotary shaft of a driving element in a hermetically sealed vessel to discharge a refrigerant gas, which has been compressed by the first rotary compressing element, into the hermetically sealed vessel, and compress the discharged refrigerant gas of an intermediate pressure by the second rotary compressing element, the rotary compressor comprising:

a first cylinder for constituting a first rotary compressing element and a second cylinder for constituting a second rotary compressing element;

a roller that is provided in each of the cylinders and fitted onto an eccentric member of the rotary shaft to eccentrically rotate;

an intermediate partitioner provided between the cylinders and the rollers to partition the rotary compressing elements;

supporting members that close open surfaces of the cylinders and have bearings for the rotary shaft; and

an oil bore formed in the rotary shaft,

wherein a surface of the intermediate partitioner that is adjacent to the second cylinder has a groove for communication between the oil bore and a low-pressure chamber in the second cylinder, and

the intermediate partitioner has a through bore for communication between an interior of a hermetically sealed

vessel and the inside of the rollers.

2. A rotary compressor having first and second rotary  
compressing elements driven by a rotary shaft of a driving  
5 element in a hermetically sealed vessel to discharge a  
refrigerant gas, which has been compressed by the first  
rotary compressing element, into the hermetically sealed  
vessel, and compress the discharged refrigerant gas of an  
intermediate pressure by the second rotary compressing  
10 element, the rotary compressor comprising:

a first cylinder for constituting a first rotary  
compressing element and a second cylinder for constituting  
a second rotary compressing element;

15 a roller that is provided in each of the cylinders and  
fitted onto an eccentric member of the rotary shaft to  
eccentrically rotate;

an intermediate partitioner provided between the  
cylinders and the rollers to partition the rotary  
compressing elements;

20 supporting members that close open surfaces of the  
cylinders and have bearings for the rotary shaft; and

an oil bore formed in the rotary shaft,

wherein a surface of the intermediate partitioner that  
is adjacent to the second cylinder has a groove extended  
25 from an inner periphery to an outer periphery of the  
intermediate partitioner to provide communication among the  
oil bore and the insides of the rollers, a low-pressure

chamber in the second cylinder, and the hermetically sealed vessel.

3. The rotary compressor according to Claim 2,  
5 wherein the driving element is an rpm-controlled motor started up at low speed upon actuation.

4. A rotary compressor having a driving element and first and second rotary compressing elements driven by the  
10 driving element in a hermetically sealed vessel to discharge a gas, which has been compressed by the first rotary compressing element, into the hermetically sealed vessel, and compress the discharged gas of an intermediate pressure by the second rotary compressing element, the  
15 rotary compressor comprising:

a first cylinder for constituting a first rotary compressing element and a second cylinder for constituting a second rotary compressing element;

an intermediate partitioner provided between the  
20 cylinders to partition the rotary compressing elements;

supporting members that close open surfaces of the cylinders and have bearings for the rotary shaft of the driving element; and

an oil bore formed in the rotary shaft,  
25 wherein a lubrication bore for communication between the oil bore and a low-pressure chamber in the second cylinder is formed in the intermediate partitioner.